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Abstract

PROBLEM TO BE SOLVED: To obtain taxol for medicines, etc., in a high yield capable of expressing excellent effects for patients suffering from ovarian cancers and pulmonary cancers by culturing calluses and cells derived from taxol-containing plants using chitoheptose.

SOLUTION: This production of taxol by culturing is to aseptically treat fragments of leaves or stems of a taxol-containing plant such as *Taxus cuspidata* Sieb. et Zucc. var. *unbraculifera* Makino, or plants of the family *taxus*, inoculate them to a medium containing 2,4-dichlorophenoxyacetic acid, culture them at 25 deg.C in the dark, induce calluses or cells, plant the calluses or cells to a proliferation medium, culture them for 15 days by adding an aqueous solution of chitoheptose as an elicitor, lyophilize cultured cells, extract the lyophilized cells with a solvent of methanol : water (1:1), concentrate the extracted solution under a reduced pressure, extract the concentrated solution with dichloromethane.: water (1:1) and purify the dichloromethane-soluble part by a high speed liquid chromatography to obtain the objective taxol expressed by the formula in high yield.

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CLAIMS

No Claims were found.

DESCRIPTION

Text Not Available.